

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. *(Currently amended)* A sensor for the transcutaneous measurement of vascular access blood flow comprising at least one photoemitter and at least one photodetector, the total number of photoemitters and photodetectors being at least three, all of the photoemitters and the photodetectors being collinear and alternatingly arranged, and wherein all of the photoemitters emit light of only a single wavelength.

2-7. *(Cancelled)*